

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Paul E. Haeberli Date: December 6, 2003
Filed: Simultaneously herewith Docket No.: HAEBPAU-2
Title: Fabrication of Free Form Structures from Planar Materials

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 C.F.R. §1.56, applicant wishes to call the attention of the Examiner to the following documents:

United States Patents

<u>U.S. Patent No.</u>	<u>Patentee</u>	<u>Issue Date</u>
4,912,644	Aoyama et al.	03-27-1990
5,237,647	Roberts et al.	08-17-1993
5,396,265	Ulrich et al.	03-07-1995
5,587,914	Conradson et al.	12-24-1996
5,864,482	Hazama et al.	01-26-1999
5,969,973	Bourne et al.	10-19-1999
5,971,583	Ohnishi et al.	10-26-1999
6,144,896	Kask et al.	11-07-2000
6,185,476	Sakai	02-06-2001
6,256,595	Schwalb et al.	07-03-2001
6,272,447	Gavin et al.	08-07-2001

6,411,862	Hazama et al.	06-25-2002
6,493,603	Haeberli	12-10-2002

<u>U.S. Pub. No.</u>	<u>Applicant</u>	<u>Publication date</u>
2003/0033041	Richey	02-13-2003

Other Documents

“Automated Fabrication”, Marshall Burns, (PTR Prentice Hall, 1993), title page, pp. 322–323, © 1993 Ennex™ Corp.

“Bend the Rules of Structure”, by Peter Hall, Metropolis magazine, June 2003

“Planar Layout (Prisa) of Freeform Models”, by Gersho Elber, website printout
<http://www.siggraph.org/s98/conference/teapot/prisa.html> May 16, 2003

“Creating Models of Truss Structures with Optimization”, by Jeffrey Smith, Jessica Hodgins, Andrew Witkin and Irving Oppenheim, ACM SIGGRAPH conference proceedings

“PRISA”, website printout, <http://lumimath.univ-mrs.fr/~jlm/cours/irit70/nodel143.html>
 May 29, 2003

“Model fabrication using surface layout projection” by Gershon Elber, Computer-Aided Design, Vol. 27, No.4, pp. 283-291, 1995

“Direct WYSIWYG Painting and Texturing on 3D Shapes,” Pat Hanrahan and Paul Haeberli, *Computer Graphics*, Vol. 24, No. 4, Aug. 1990, pp. 215–223, © 1990 ACM-0-8791-344-2/90/008/0215, copying by permission of the Association for Computing Machinery

“Triangulation of a Convex Polygon”
<http://www.cs.rutgers.edu/~djimenez/ut/utsa/cs3343/lecture12.html>

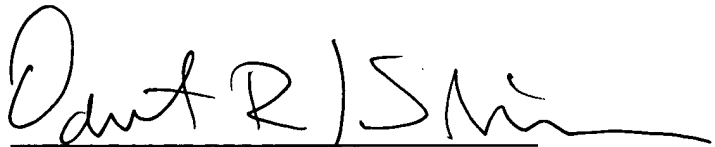
“Rhinceros® NURBS modeling for Windows” Version 3.0 User’s Guide, pp. 500-501, Robert McNeel & Associates, 1993

Copies of the non patent references are submitted herewith along with Form PTO/SB/08A and

Form PTO/SB/08B.

Applicant respectfully requests that these documents be expressly considered during the prosecution of this application and made of record herein and appear among the "documents cited" on any patent to issue herefrom.

Respectfully submitted,

By: 

David R. J. Stiennon, Reg. No. 33212

Attorney for Applicant

Stiennon & Stiennon

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO						Application Number		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)						Filing Date		
						First Named Inventor		Paul E. Haeberli
						Group Art Unit		
						Examiner Name		
Sheet	1	Of	2	Attorney Docket Number		HAEBPAU-2		
U.S. PATENT DOCUMENTS								
Examine r Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		Number	Kind Code ² (If known)					
		4,912,644		Aoyama et al.	03-27-1990			
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FOREIGN PATENT DOCUMENTS								
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		Office ³ Number ⁴	Kind Code ⁵ (If known)					
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard St.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	
				Filing Date	
				First Named Inventor	
				Group Art Unit	
				Examiner Name	
Sheet	2	Of	2	Attorney Docket Number	HAEBPAU-2

NON PATENT LITERATURE DOCUMENTS			
Examine r Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		"Automated Fabrication", Marshall Burns, (PTR Prentice Hall, 1993), title page, pp. 322-323, © 1993 Ennex™ Corp.	
		"Bend the Rules of Structure", by Peter Hall, Metropolis magazine, June 2003	
		"Planar Layout (Prisa) of Freeform Models", by Gersho Elber, website printout http://www.siggraph.org/s98/conference/teapot/prisa.html May 16, 2003	
		"Creating Models of Truss Structures with Optimization", by Jeffrey Smith, Jessica Hodgins, Andrew Witkin and Irving Oppenheim, ACM SIGGRAPH conference proceedings	
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		"Direct WYSIWYG Painting and Texturing on 3D Shapes," Pat Hanrahan and Paul Haeberli, <i>Computer Graphics</i> , Vol. 24, No. 4, Aug. 1990, pp. 215-223, © 1990 ACM-0-8791-344-2/90/008/0215, copying by permission of the Association for Computing Machinery	
		"Triangulation of a Convex Polygon" http://www.cs.rutgers.edu/~djimenez/ut/utsa/cs3343/lecture12.html	
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